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SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE DC TO 18 GHz

VSWR (MAX)
 DC-4 GHz 1.05
 4-12.4 GHz 1.15
 12.4-18 GHz 1.20

POWER__(AVG.)___ 2 WATTS*
 (PEAK) 500 WATTS**

125°C * POWER DERATES LINEARLY FROM 100% @25°C TO 10% @
 ++ @ ≤ 5 μSec PULSE W, & ≤ 0.05% DUTY CYCLE

IMPEDANCE 50 OHMS


TEMP RANGE (OPERATING) -65 TO +125°C
 (STORAGE) -65 TO +150°C

GENERAL REQUIREMENTS, MATERIALS AND PLATING WILL COMPLY WITH MIL-DTL-39090 FOR DUMMY LOADS

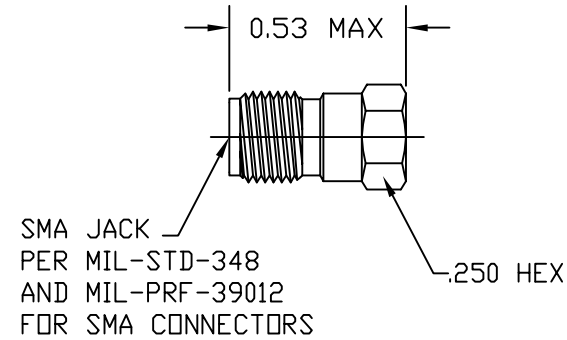
- MATERIALS:
 Outer Conductor -Stainless Steel Non Magnetic
 ASTM A484 & A582, Class 303, COND. A.
 Center Conductor --- Beryllium Copper per
 ASTM B196 & B197 1/2 Hard.
 Dielectric --- Teflon per ASTM D1710.
- Finish
 Center Conductor
 SUFFIX "-0X" GOLD PLATED per ASTM-B488 AND
 MIL-PRF-39012

 Outer Conductor
 SUFFIX: "-02" PASSIVATED per ASTM A380.
 SUFFIX: "-00" GOLD PLATED per ASTM-B488 AND
 MIL-PRF-39012


**PRELIMINARY
RELEASE**

NOTE:
 THIS DRAWING INCORPORATES
 THIRD ANGLE PROJECTION.

 INTERPRET IAW ANSI Y14.5-1982

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
D	REPLACED TITLEBLOCK	1/1/2007	D. Saunders



XMA Powered by:
Omni Spectra®
 Phone: 603-222-2256 Fax: 603-222-2259
 150 Dow Street, Manchester, NH 03101

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000		UNLESS OTHERWISE SPECIFIED		DRAWN DATE M. TURNER 2/23/2009	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		TOLERANCES IN:		CHECKED DATE	
SURFACE ROUGHNESS FINISH 		DECIMALS	INCH	DMU	ENGINEER APPR. DATE
FINISH SEE NOTES		.X"	.05"	[.76]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.
MATERIAL SEE NOTES		.XX"	.03"	[.25]	
		.XXX"	.03	[.127]	
		.XXXX"		[.127]	
		ANGLES			
		UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.			

TITLE SMA FEMALE COAXIAL TERMINATION			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2002-6112-0X	
SCALE 3:1	PLATED AREA SQ. IN	XXX	SHEET 1 OF 1

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BCS1